

Category 5e Unshielded RJ-45 Tool-Less Keystone Jacks

Transmission and Electrical Specifications									Typical Return Loss (Forward, Component Level)	
Frequency	Insertion Loss		NEXT Loss		FEXT Loss		RL			
MHz	dB		dB		dB		dB			
	Nom	Max	Nom	Min	Nom	Min	Nom	Min		
1.00	0.02	0.10	85.0	65.0	77.0	65.0	55.0	30.0		
4.00	0.03	0.10	75.0	65.0	65.0	63.1	50.0	30.0		
8.00	0.04	0.11	70.0	64.9	60.0	57.0	48.0	30.0		
10.00	0.04	0.13	68.0	63.0	58.0	55.1	42.0	30.0		
16.00	0.05	0.16	64.0	58.9	54.0	51.0	40.0	30.0		
25.00	0.06	0.20	60.0	55.0	50.0	47.1	35.0	30.0		
31.25	0.07	0.22	58.0	53.1	48.0	45.2	33.0	30.0		
62.50	0.11	0.32	52.0	47.1	42.0	39.1	28.1	24.1		
100.00	0.15	0.40	45.0	43.0	38.0	35.1	24.0	20.0		

Propagation Delay	2.5 nS max @ 1-100 MHz
Propagation Delay Skew	1.25 nS max @ 1-100 MHz
Current rating	1.5 A max.
Contact resistance	20 mOhm max (per contact)
Input/Output resistance	200 mOhm max
Input/Output resistance Unbalance	50 mOhm max
Voltage rating	72 Vdc max
Dielectric strength	1000 Volts rms for 1 minute
Insulation Resistance	500 MegaOhm min @ 500 Vdc
DC Resistance	0.1 Ohm max @ 20C
TCL	28-20-Log(f/100) dB min @ 1-100 MHz
Transfer Impedance	N/A

Typical Test Results at the Component Level

Worst PS-NEXT	Typical Insertion Loss

Ordering Information

HCS P/N	Description	T568
J5E-00851	8P8C RJ-45 Unshielded Tool-less Keystone Jack CAT 5e	B
J5E-00852	8P8C RJ-45 Unshielded Tool-less Keystone Jack CAT 5e	A
J5E-00853	8P8C RJ-45 Unshielded Tool-less Keystone Jack CAT 5e	Universal